

August 7, 2020

BY ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 5043 - National Grid's Gas Long-Range Resource and Requirements Plan
Forecast Period 2020/21 to 2024/25
Corrected Page 17**

Dear Ms. Massaro:

I have enclosed an electronic version of National Grid's¹ corrected page 17 to the Company's Gas Long-Range Resource and Requirements Plan (Long-Range Plan) for the forecast period 2020/21 to 2024/25 submitted on June 30, 2020.² The corrections are redlined in the enclosed document.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-472-0531.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 5043 Service List
Leo Wold, Esq.
Al Mancini, Division
John Bell, Division

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

² Because of the COVID-19 Pandemic emergency period, the Company is providing a PDF version of the above-referenced transmittal. The Company is providing the PUC with one copy of the hard copy and, if needed, additional hard copies at a later date.

III.E.2.c. Specification of Daily Design Year HDD

To generate the daily HDD values for its design year, the Company scaled the daily values for its normal year by the ratio of the annual normal year total to the annual design year total, making any minor adjustment necessary to ensure the peak day of the design year equaled the Company’s design day standard.

III.F. Forecast of Base Case Design Year Customer Requirements

In the fifth, and final, step of the Company’s forecasting methodology set forth in Section III.A., above, the Company uses the applicable design day and design year planning standards to determine the design day and design year sendout requirements. To accomplish this, the Company combines the springboard equations, which are derived from the sendout regression analysis, with its normal year daily HDD pattern and its design year daily HDD pattern to yield two springboard year estimates of normal year and design year daily customer requirements. Below are the resulting design year requirements for the demand forecast.

	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Heating Season	29,821	29,490	30,115	21,050 31,050	31,762	31,762 31,782
Non-Heating Season	<u>11,194</u>	<u>11,424</u>	<u>11,787</u>	<u>12,056</u>	<u>12,053</u>	<u>12,095</u>
Total	41,015	40,914	41,903	43,106	42,816 43,816	43,878
Per-Annum Growth	-	-100	988	1,202	710	61
Per-Annum Growth (%)	-	-0.2%	2.4%	2.9%	1.6%	0.1%

Base Case Design Year Customer Requirements for Capacity Planning (MDth)

III.G. Spatial (Zip-code) Design Day Forecast

III.G.1. Purpose

The purpose of the spatial design day forecast is to provide the peak volume on the design day of each zip code for next five years.

III.G.2. Data

The data for this forecast includes: (1) customer history monthly billing data of each rate code for each zip code; (2) history weather data; (3) history economic data; (4) normalized weather data for future prediction; (5) forecast economic data; (6) zip code based saturation values; and (7) zip code moratorium/engineering constrains (if applicable).

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.



Joanne M. Scanlon

August 7, 2020

Date

**Docket No. 5043 – National Grid’s Gas Long-Range Resource Plan
Service List as of 7/23/2020**

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